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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/505,562	05/23/2005	Robert Erhart	10191/3949	7426
26646 KENYON & K	7590 10/31/2007 ENYON LLP	I EXAMINER		
ONE BROADWAY NEW YORK, NY 10004			PHAN, RAYMOND NGAN	
			ART UNIT	PAPER NUMBER
·	,		2111	
			MAIL DATE	DELIVERY MODE
			10/31/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		$p\gamma\sim$			
	Application No.	Applicant(s)			
Office Action Summers	10/505,562	ERHART ET AL.			
Office Action Summary	Examiner	Art Unit			
The MAN INC DATE of this control of	Raymond Phan	2111			
The MAILING DATE of this communication app Period for Reply	The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tim rill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 17 Au	igust 2007.				
	action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims					
 4) Claim(s) 15-28 is/are pending in the application 4a) Of the above claim(s) is/are withdraw 5) Claim(s) 22-28 is/are allowed. 6) Claim(s) 15 and 18-21 is/are rejected. 7) Claim(s) 16 and 17 is/are objected to. 8) Claim(s) are subject to restriction and/or 	n from consideration.				
Application Papers		•			
9)☐ The specification is objected to by the Examiner.					
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.					
Priority under 35 U.S.C. § 119	·				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	4) Interview Summary (Paper No(s)/Mail Da 5) Notice of Informal Pa	te			
Paper No(s)/Mail Date 10 22.0 6 Other:					

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Part III DETAILED ACTION

Notice to Applicant(s)

- 1. This action is responsive to the following communications: amendment filed on August 17, 2007.
- 2. This application has been examined. Claims 15-28 are pending.

Claim Rejections - 35 USC § 103

3. The following is a quotation of 35 U.S.C. § 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 15, 18-21 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Zimmermann et al. (US No. 6,727,844) in view of Akbarian et al. (US No. 6,161,524).

In regard to claims 15, 19-20, Zimmermann et al. disclose an apparatus for sensing an object and for outputting ascertained object data, comprising: at least one object-detection device (1, 2) (see figure 2, col. 4, lines 7-14); a connector element for connection to a data bus (not shown) (see col. 4, lines 35-45); and an arrangement configure, via the connector element, to transmit measurement data up to a maximum possible number of detected objects (11, 12, 21, 220 (see figure 2, col. 4, lines 10-19). But Zimmermann et al. do not clearly disclose the step of for sending, via the connector element, a fixed, predetermined number of data packets provided for transmitting measurement data. However Akbarian et al. disclose the use of CAN data bus to send measurement data between the sensors 3 and the processing unit 9 (see col. 5, lines 4, lines 56-65). Therefore, it would have been obvious to a person of an ordinary skill in the art at the time the invention was

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made to have combined the teachings of Akbarian et al. within the system of Zimmermann et al. because it would provide a suitable interface for communicating various information to various applications.

In regard to claim 18, Zimmermann et al. disclose wherein: the apparatus is at least one of a transmitting and receiving device for radar radiation, a transmitting and receiving device for lidar radiation, and a receiving device for an image processing system (see col. 6, lines 1-15).

In regard to claim 21, Zimmermann et al. disclose wherein the apparatus is used in a motor vehicle in a device for adaptive cruise control along the lines of a constant-distance control and a constant-speed control (see col. 6, lines 15-24).

Allowable Subject Matter

- 5. Claims 22-28 are allowable over the prior of records.
- 6. Claims 16-17 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. The Examiner's statement of reasons for the indication of allowable subject matter can be found in the previous Office Action.

Response to Amendment

8. Applicant's arguments, see on pages 5-6, filed on August 13, 2007, with respect to the rejection of claims 15, 18-21 under 35USC103 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of Zimmermann et al.

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Conclusion

9. Claims 15, 18-21 are rejected. Claims 16-17 are objected. Claims 22-28 are allowed.

10. The prior arts made of record and not relied upon are considered pertinent to applicant's disclosure.

Winner et al. (US No. 6,580,385) disclose an object detection system.

Ahmed-Zaid et al. (US No. 6,968,266) disclose the object detection in adaptive cruise control.

Gilling (US No. 5,761,629) discloses the method and apparatus for cruise control.

Swoboda et al. (US Pub No. 2004/0149504) disclose the adaptive cruise control device for a motor vehicle.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Raymond Phan, whose telephone number is (571) 272-3630. The examiner can normally be reached on Monday-Friday from 6:30AM- 4:00PM. The Group Fax No. (571) 273-8300.

Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [raymond.phan@uspto.gov].

All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Any inquiry of a general nature or relating to the status of this application should be directed to the TC 2100 central telephone number is (571) 272-2100.

Raymond Phan Patent Examiner Tech Center 2100

Kaynoff

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